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TRANS: TAL SLIP		2/23/87	
TO:			
ROOM NO.		BUILDING	
REMARKS:  John: ATTACHED Are Some COMMENTS ON BACKGROUND INFORMATION ON PARTICULAR ESG AND DFG Estimates. It may shed some light AS to the way certain estimates were casted.			
FROM:			
ROOM NO.		BUILDING	EXTENSION

FORM NO.  
1 FEB 58 241REPLACES FORM 36-8  
WHICH MAY BE USED.

(47)

Sent to John  
2/23/87

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9 January 1987

25X1

**MEMORANDUM FOR:**

**FROM:**

**SUBJECT:** Revised Estimates for New Comm Services

1. Attached are the revised estimates for the "New Initiatives" new communications services (first eight assigned to ESG). These revisions are based on feedback from ESG, GOG and COMSEC.

2. Also included are the "New Initiatives" new communications services that were originally assigned to DFG but then reassigned to ESG. There are four new initiatives in this group. They are titled DFG01A to DFG04A.

3. At the end of the estimates, I have included some background information on each of the twelve requirements.

4. For those requirements that cover more than one fiscal year, I have labeled them A - E. For example: ESG01A, ESG01B, ESG01C, ESG01D and ESG01E for FY89 - FY93 respectively.

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**Distribution:**

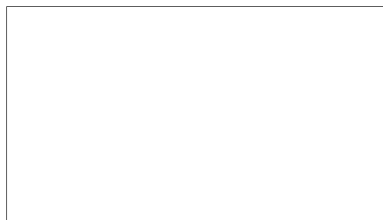
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COST ESTIMATES FOR  
NEW COMMUNICATIONS SERVICES

ESG01A

DIRECTORATE : DDA

OFFICE : OIS

PROGRAM YR : 89 - 93

REQUIREMENT : Gradually improve communications capability between  
Hqs and agency archives and records center to support  
electronic transfer of documents and other data.

25X1 CONTACT: [ ] OIS/PMS, 1206 Ames, [ ]

25X1 Per [ ] the concern of OIS is the ability to respond quickly  
to a request from Hqs. or one of the outbuildings for an archived  
document. Their long range requirement is to move to electronic storage  
and retrieval in order to be able to retrieve a document quickly and  
send it electrically directly to the person requesting it.

OIS has an immediate requirement to send copies of documents to  
Headquarters electronically via a facsimile machine.

The proposed plan is to complete this upgrade over several fiscal  
years. The following steps need to be implemented.

25X1 [ ]

3. Plan for converting all the hard copy paper and microfilm  
documents at the archives into digital data bases. (Tape or laser  
disks). A study needs to be done to determine the best way to do  
this and develop a plan and schedule. -- in FY-90.

4. Procure the necessary computer equipment to convert and  
maintain the digital data bases. -- in FY-92

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COST ESTIMATES FOR  
NEW COMMUNICATIONS SERVICES

ESG02A and ESG03A

DIRECTORATE : DDA

OFFICE : OL/FACILITIES MANAGEMENT DIVISION

PROGRAM YR : 89 - 93

REQUIREMENT : ESG02A -- Provide secure voice capability between permanent and mobile stations during emergency situations on the Headquarters compound.

ESG03A -- Capability to issue dispatch instructions via secure data link to selected vehicles in transit.

25X1 CONTACT: [ ] FMD/OL, [ ]

25X1 In talking with [ ], the OL rep, I learned that there is no type of encryption for the radio transmissions now being used on the Hqs. compound to coordinate compound activities or for those radios used to coordinate motor pool and courier activities. These same radios would be used during an emergency situation. Anyone with a cheap "Radio Shack type" VHF scanner can monitor every radio transmission being made.

25X1 [ ] wants to use at least voice privacy to encrypt the transmissions. However, if better security is available in hand-held radios then he would like that. I told him that voice privacy radios are available now that will prevent the casual listener from understanding the radio transmissions. Radios with true NSA encryption are available for mobile and base station use but not for hand-held radios.

The radio transmissions on the compound are, for the most part, unclassified. However, once in a while the name of a covert employee will be transmitted.

The immediate need for ESG02A is to provide tactical security with the hand-held radios having voice privacy security modules built into them.

The immediate need for ESG03A is to provide voice privacy for the mobile and base station radios used by the Motor pool, building supply and courier services.

A study should be done to determine the appropriate security level and long term needs for these links. Do a study estimate for FY-90. Besides looking at an independent government owned system, it should also look at the availability and feasibility of using secure cellular telephone terminals.

For FY-91, do an estimate for a complete secure system for ESG03A (voice, data, fax, etc.) that can pass SECRET information using an NSA approved crypto device.

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COST ESTIMATES FOR  
NEW COMMUNICATIONS SERVICES

ESG04A and ESG05A

DIRECTORATE : DDA

OFFICE : OS/PTS/PSG/HSD/HSB/IDS

PROGRAM YR : 89 - 93

REQUIREMENT : ESG04A -- Seventy eight (78) telecommunications circuits for non-secure (black) telephones. Projected increase in staff within Hqs security division and its elements.

ESG05A -- Sixty (60) telecommunications circuits for secure (green) telephones. Projected increase in staff within Hqs security division and its elements.

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CONTACT :  OS/PTS/PSG/HSD,

According to Jim, these two requirements are for additional telephone services in existing buildings where the grids and telephone switches are already in place.

C/ESG is concerned that some of the OS people may end up in new buildings where there would be a cost for service. Include possible new building costs in comments.

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COST ESTIMATES FOR  
NEW COMMUNICATIONS SERVICES

ESG08A

DIRECTORATE : DDA

25X1 OFFICE : [REDACTED] SD/OL

PROGRAM YR : 89

25X1 REQUIREMENT : Communications lines to support a new secure voice  
25X1 system [REDACTED]

25X1 CONTACT: [REDACTED]

25X1 Joe indicated that OL needed secure voice (and a few computer terminals)

25X1 There is already a project underway to provide secure voice to these  
25X1 buildings. The initial capability will be supported by KY-71's.

25X1 [REDACTED] is the project officer. It is project number 86-5898.

25X1 An estimate for the full support [REDACTED] has not been given  
25X1 to OL yet. I coordinated this estimate with [REDACTED] the  
project officer and he says it looks okay.

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COST ESTIMATES FOR  
NEW COMMUNICATIONS SERVICES

DFG02A

DIRECTORATE : DDA

OFFICE : OS/PS/CG/SRD

PROGRAM YR : 89

25X1 REQUIREMENT : A secure computer terminal link (one way) from OS  
security records division to FBI. Similar to link  
to

25X1 CONTACT :  OS/PS/CG/SRD,

This was previously submitted two years ago as request number  
DDA/OS-1/87

The estimate will be for one link to the FBI.

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COST ESTIMATES FOR  
NEW COMMUNICATIONS SERVICES

DFG03A and DFG04A

DIRECTORATE : DDA

OFFICE : OS/CD and OS/RB

PROGRAM YR : 89

REQUIREMENT : DFG03A -- Three telecommunications circuits: 2 for  
terminals and 1 for a printer. CD to PD

DFG04A -- WANG to WANG circuit between PD and RB

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CONTACT:  OS/CD,

In talking with George, I found out that DFG03 and 04 are being combined into one requirement to link all the OS divisions together and provide circuitry that will interconnect all their WANG systems. There is no longer a need for separate terminals and printers. Both estimates should be for circuits to handle WANG to WANG connections.

George also said that there is also a requirement to use separate crypto on the links to provide the highest protection for the information as is possible.

Installation Division is now working on a similar project for OS to provide telecommunications circuits between Polygraph Division components in Hqs. . Project 87-1554.  
The project officer is

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Per Andy S. of ID, OS initially asked for an independent system but has agreed to use normal secure Agency controlled telecommunications channels. However, I will include the cost of an independent system in this estimate.

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